

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E84749

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Garden Plaza (10-13, 10-16, 10-18, & 10-20 Buildings)

Survey Type : Online

Street : 500 Park Ave N

Response Rate : 57%

Jurisdiction : City of Renton

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 18.0%

Drive Alone Rate : 82.0%

One-Way VMT per employee : 15.8

Average One-Way distance home to work : 19.1

Employees and Survey Response Information

Reported Total Employees at Worksite: 2,267

Surveys Distributed : 1,458

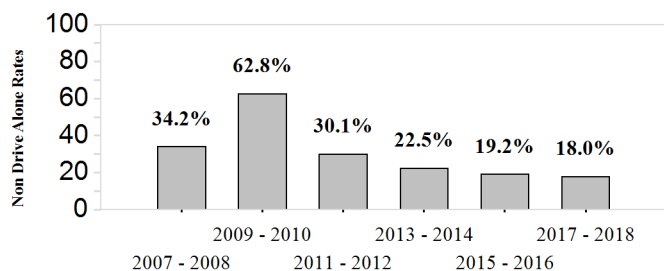
Surveys Returned : 836

Surveys Returned by CTR Affected* Employees : 762

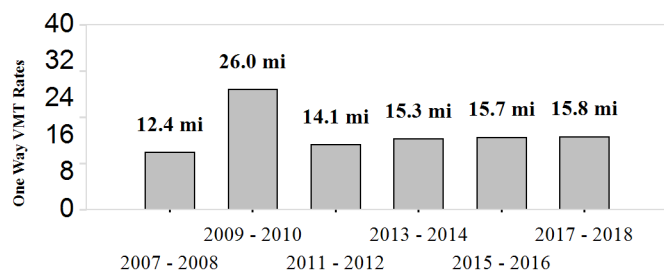
Total Estimated CTR Affected Employees at Worksite : 1,329

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

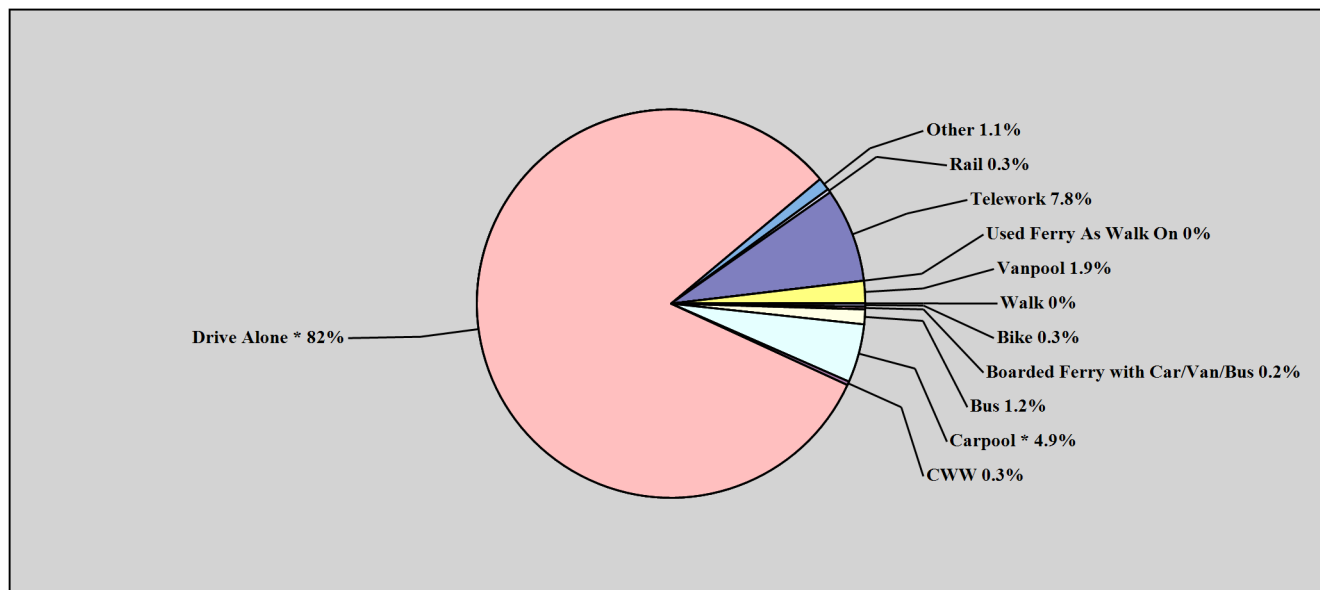
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	34.2%	34.1%	4903	8437	32.8	12.4	11.9
2009 - 2010	33.4%	33.4%	4613	8914	34.7	12.7	12.7
2009 - 2010	29.4%	30.2%	3610	7093	27.6	13.3	13.0
2011 - 2012	30.1%	30.8%	1810	11670	45.4	14.1	13.8
2013 - 2014	22.5%	22.4%	3467	10049	39.1	15.3	15.1
2015 - 2016	19.2%	19.6%	3812	8781	34.2	15.7	15.2
2017 - 2018	18.0%	18.5%	2792	7572	29.5	15.8	15.4
Target	29.9%				Target:	12.1	
% Point Change Target:	-4.3				% Change Target:	-2.4%	
% Point Change from Baseline:	-16.2				% Change from Baseline:	27.4%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



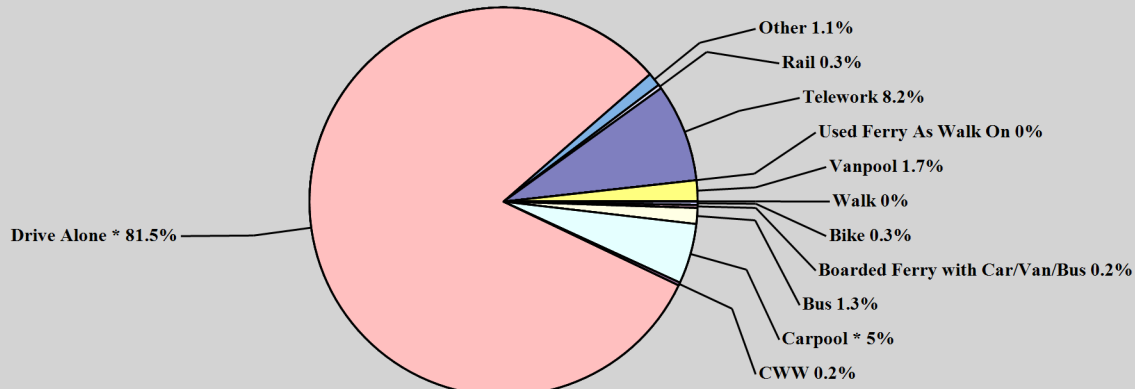
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,266	82.0%	80.8%	751	89.8%	89.8%
Carpool *	194	4.9%	7.0%	59	7.1%	10.2%
Vanpool	74	1.9%	2.9%	19	2.3%	3.6%
Bus	49	1.2%	0.9%	15	1.8%	1.4%
Rail	12	0.3%	0.9%	4	0.5%	1.4%
Bike	10	0.3%	0.5%	6	0.7%	1.0%
Walk	1	0.0%	0.2%	1	0.1%	0.3%
Telework	312	7.8%	5.7%	176	21.1%	14.1%
CWW	12	0.3%	0.3%	12	1.4%	1.2%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.3%	3	0.4%	0.3%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	42	1.1%	0.5%	14	1.7%	1.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,963	81.5%	80.4%	683	89.6%	90.0%
Carpool *	182	5.0%	6.7%	55	7.2%	10.0%
Vanpool	63	1.7%	2.9%	16	2.1%	3.6%
Bus	48	1.3%	1.0%	14	1.8%	1.6%
Rail	12	0.3%	1.0%	4	0.5%	1.5%
Bike	10	0.3%	0.6%	6	0.8%	1.1%
Walk	1	0.0%	0.3%	1	0.1%	0.4%
Telework	297	8.2%	6.1%	166	21.8%	15.2%
CWW	9	0.2%	0.3%	9	1.2%	0.9%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.3%	3	0.4%	0.4%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	41	1.1%	0.5%	13	1.7%	1.0%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	563	67%	836	100%
1 Days	100	12%	273	33%
2 Days	63	8%	173	21%
3 Days	22	3%	110	13%
4 Days	25	3%	88	11%
5 Days	58	7%	63	8%
6 or More Days	5	1%	5	1%

Count by Occupancy of Carpools and Vanpools

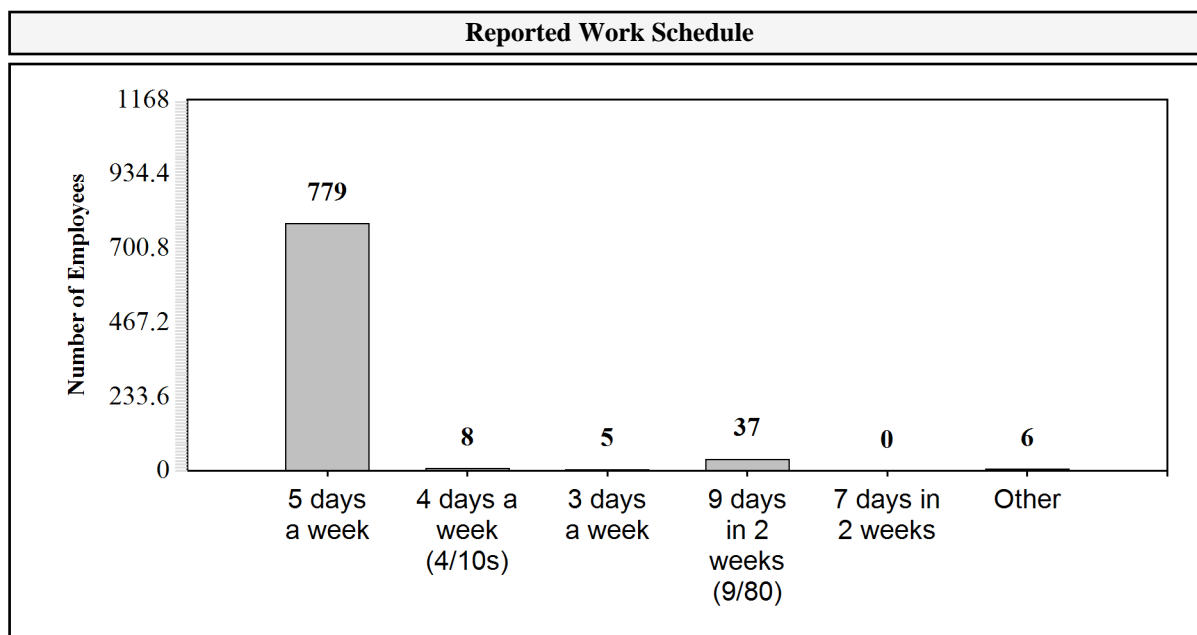
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	186
3	Carpool	8
4	Carpool	0
5	Carpool	0
>5	Carpool	0
<5	Vanpool	7
5	Vanpool	12
6	Vanpool	5
7	Vanpool	24
8	Vanpool	14
9	Vanpool	12
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

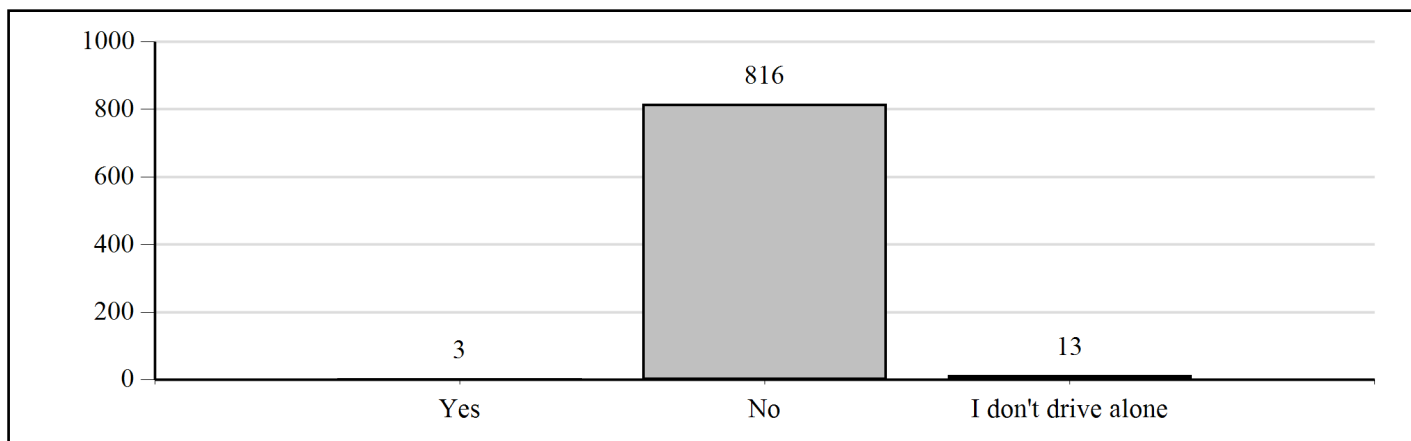
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	779	93.3%
4 days a week (4/10s)	8	1%
3 days a week	5	0.6%
9 days in 2 weeks (9/80)	37	4.4%
7 days in 2 weeks	0	0%
Other	6	0.7%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.2%
I don't telework	260	31.1%
Occasionally, on an as-needed basis	341	40.8%
1-2 days/month	49	5.9%
1 day/week	99	11.8%
2 days/week	70	8.4%
3 days/week	15	1.8%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	350	22.2%
To save money	205	13.0%
To save time using the HOV lane	186	11.8%
Personal health or well-being	173	11.0%
Other	146	9.2%
Environmental and community benefits	138	8.7%
Free or subsidized bus, train, vanpool pass or fare benefit	99	6.3%
Financial incentives for carpooling, bicycling or walking.	90	5.7%
Driving myself is not an option	58	3.7%
Emergency ride home is provided	56	3.5%
Cost of parking or lack of parking	45	2.8%
Preferred/reserved carpool/vanpool parking is provided	31	2.0%
I receive a financial incentive for giving up my parking space	2	0.1%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	602	28.2%
I like the convenience of having my car	558	26.1%
Family care or similar obligations	314	14.7%
Other	196	9.2%
My commute distance is too short	185	8.7%
My job requires me to use my car for work	121	5.7%
Bicycling or walking isn't safe	97	4.5%
I need more information on alternative modes	56	2.6%
There isn't any secure or covered bicycle parking	7	0.3%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98038	51	6.10%	224	2	0	0	0	0	2	0	16	5	0	0	0
98058	42	5.02%	165	17	0	0	3	0	3	0	10	0	0	0	1
98042	41	4.90%	155	11	0	1	0	0	0	0	27	1	0	0	0
98059	35	4.19%	161	0	0	3	0	0	2	0	5	0	0	0	0
98031	33	3.95%	140	12	0	0	0	0	0	0	5	1	0	0	0
98092	27	3.23%	106	13	0	0	0	0	0	0	18	0	0	0	0
98391	25	2.99%	75	22	12	0	0	0	1	0	14	0	0	0	1
98055	20	2.39%	69	10	0	5	0	0	0	0	3	0	0	0	1
98056	20	2.39%	99	0	0	0	0	0	0	0	2	0	0	0	0
98012	18	2.15%	63	6	5	0	0	0	0	0	10	0	0	0	0
98001	16	1.91%	70	4	0	1	2	0	0	0	2	0	0	0	1
98023	15	1.79%	67	1	0	0	1	0	0	0	4	0	0	0	0
98116	15	1.79%	56	2	0	0	0	0	0	0	3	0	0	0	0
98006	14	1.67%	68	0	0	0	0	0	0	0	1	0	0	0	0
98027	14	1.67%	56	3	0	2	0	0	0	1	3	0	0	0	4
98034	13	1.56%	53	4	0	2	4	0	0	0	0	0	0	0	0
98075	13	1.56%	44	1	0	0	0	0	0	0	7	0	0	0	0
98115	13	1.56%	59	4	1	0	0	0	0	0	0	1	0	0	0
98103	11	1.32%	44	5	4	0	0	0	0	0	2	0	0	0	0
98126	11	1.32%	50	3	0	0	0	0	0	0	0	0	0	0	0
98003	10	1.20%	41	0	0	0	0	0	0	0	8	0	0	0	0
98022	10	1.20%	29	0	3	0	0	0	0	0	10	0	0	0	3
98030	10	1.20%	41	0	0	0	0	0	0	0	2	0	0	0	0
98136	10	1.20%	33	1	0	0	0	0	0	0	1	0	0	0	0
98198	10	1.20%	37	8	0	5	0	0	0	0	0	0	0	0	0
98422	10	1.20%	41	4	0	0	0	0	0	0	2	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98008	9	1.08%	42	0	0	0	0	0	0	0	2	0	0	0	0
98074	9	1.08%	42	0	0	0	0	0	1	0	2	0	0	0	0
98178	9	1.08%	37	3	0	0	0	0	0	0	5	0	0	0	0
98374	9	1.08%	28	4	4	0	0	0	0	0	6	0	0	0	0
98029	8	0.96%	32	0	0	0	3	0	0	0	4	0	0	0	0
98122	8	0.96%	34	0	0	0	1	0	0	0	3	0	0	0	0
98168	8	0.96%	37	0	0	0	0	0	0	0	0	1	0	0	0
98033	7	0.84%	28	2	0	0	0	0	0	0	2	0	0	0	0
98105	7	0.84%	19	5	0	0	5	1	0	0	1	0	0	0	0
98125	7	0.84%	33	0	0	0	0	0	0	0	2	0	0	0	0
98166	7	0.84%	32	0	0	0	0	0	0	0	4	0	0	0	0
98002	6	0.72%	25	0	0	0	0	0	0	0	4	0	0	0	0
98004	6	0.72%	20	0	0	0	5	0	0	0	5	0	0	0	0
98007	6	0.72%	33	0	0	0	0	0	0	0	0	0	0	0	0
98032	6	0.72%	25	5	0	0	0	0	0	0	0	0	0	0	0
98119	6	0.72%	28	0	0	0	0	0	0	0	1	0	0	0	0
98258	6	0.72%	20	0	0	0	0	0	0	0	3	0	0	0	7
98371	6	0.72%	25	0	0	0	0	0	0	0	1	0	0	0	2
98005	5	0.60%	20	0	0	0	5	0	0	0	0	0	0	0	0
98036	5	0.60%	14	0	0	0	8	0	0	0	4	0	0	0	2
98057	5	0.60%	20	0	0	2	0	0	0	0	1	0	0	0	0
98065	5	0.60%	18	0	0	0	0	0	0	0	0	1	0	0	0
98188	5	0.60%	23	0	0	0	0	0	0	0	2	0	0	0	0
98338	5	0.60%	8	0	10	1	0	0	0	0	6	0	0	0	0
98372	5	0.60%	10	5	0	0	0	5	0	0	0	0	0	0	7
98375	5	0.60%	16	0	5	0	0	0	0	0	2	0	0	0	0
98010	4	0.48%	12	0	0	0	0	0	0	0	8	0	0	0	0
98052	4	0.48%	15	0	0	0	0	0	0	0	0	0	0	0	0
98053	4	0.48%	14	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98102	4	0.48%	13	0	0	0	2	0	0	0	5	0	0	0	0
98108	4	0.48%	15	5	0	0	0	0	0	0	0	0	0	0	0
98144	4	0.48%	21	0	0	0	0	0	0	0	1	0	0	0	0
98146	4	0.48%	21	0	0	0	0	0	0	0	0	0	0	0	0
98148	4	0.48%	14	0	0	0	0	0	0	0	6	0	0	0	0
98272	4	0.48%	14	0	0	0	0	0	0	0	4	0	0	0	0
98296	4	0.48%	17	0	0	0	0	0	0	0	2	0	0	0	0
98332	4	0.48%	15	0	0	0	0	0	0	0	0	0	0	0	0
98360	4	0.48%	9	8	0	0	0	0	0	0	2	0	0	0	0
98373	4	0.48%	17	0	0	0	0	0	0	0	1	0	0	0	0
	3	0.36%	7	2	0	0	1	0	0	0	0	1	0	0	0
98011	3	0.36%	9	0	0	0	5	0	0	0	0	0	0	0	0
98021	3	0.36%	14	0	0	0	0	0	0	0	0	0	0	0	0
98026	3	0.36%	6	4	0	0	0	0	0	0	5	0	0	0	0
98037	3	0.36%	9	3	0	0	0	0	0	0	2	1	0	0	0
98040	3	0.36%	9	0	0	0	0	0	0	0	1	0	0	0	0
98072	3	0.36%	10	5	0	0	0	0	0	0	0	0	0	0	0
98101	3	0.36%	10	0	0	0	4	0	0	0	3	0	0	0	0
98109	3	0.36%	13	0	0	0	0	0	0	0	1	0	0	0	0
98110	3	0.36%	3	0	0	5	0	0	0	0	1	0	6	0	0
98118	3	0.36%	13	0	0	0	0	0	0	0	0	0	0	0	0
98121	3	0.36%	6	0	0	0	0	0	0	0	1	0	0	0	0
98203	3	0.36%	9	1	5	0	0	0	0	0	0	0	0	0	0
98275	3	0.36%	14	0	0	0	0	0	0	0	1	0	0	0	0
98404	3	0.36%	15	0	0	0	0	0	0	0	0	0	0	0	0
98407	3	0.36%	11	1	0	0	0	0	0	0	0	0	0	0	0
98467	3	0.36%	2	4	0	5	0	0	0	0	4	0	0	0	0
98112	2	0.24%	9	0	0	0	0	0	0	0	1	0	0	0	0
98117	2	0.24%	10	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98133	2	0.24%	6	0	0	0	0	0	0	0	1	0	0	0	0
98208	2	0.24%	5	0	0	0	0	0	0	0	5	0	0	0	0
98223	2	0.24%	8	0	0	0	0	0	0	0	2	0	0	0	0
98292	2	0.24%	10	0	0	0	0	0	0	0	0	0	0	0	0
98321	2	0.24%	2	0	5	0	0	0	0	0	3	0	0	0	0
98366	2	0.24%	1	0	0	0	0	0	0	0	6	0	3	0	0
98387	2	0.24%	0	0	7	0	0	0	0	0	2	0	0	0	0
98390	2	0.24%	9	0	0	0	0	0	0	0	0	0	0	0	0
98424	2	0.24%	7	1	0	0	0	0	0	0	2	0	0	0	0
98445	2	0.24%	3	0	0	0	0	1	1	0	3	0	0	0	3
98922	2	0.24%	5	0	0	0	0	0	0	0	5	0	0	0	0
89208	1	0.12%	0	0	0	0	0	0	0	0	5	0	0	0	0
98020	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98024	1	0.12%	3	0	0	0	0	0	0	0	2	0	0	0	0
98087	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98106	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	0.12%	4	0	0	0	0	0	0	0	1	0	0	0	0
98177	1	0.12%	3	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98270	1	0.12%	3	0	0	0	0	0	0	0	2	0	0	0	0
98282	1	0.12%	3	2	0	0	0	0	0	0	0	0	0	0	0
98284	1	0.12%	4	0	0	0	0	0	0	0	0	0	0	0	0
98290	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98323	1	0.12%	4	0	0	0	0	0	0	0	1	0	0	0	0
98329	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98335	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98365	1	0.12%	0	0	0	0	0	0	0	0	0	0	0	0	7
98367	1	0.12%	0	0	5	0	0	0	0	0	0	0	0	0	0
98383	1	0.12%	0	0	4	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98403	1	0.12%	0	0	0	0	0	5	0	0	0	0	0	0	0
98405	1	0.12%	3	0	0	0	0	0	0	0	2	0	0	0	0
98406	1	0.12%	2	0	2	0	0	0	0	0	1	0	0	0	0
98418	1	0.12%	1	0	2	0	0	0	0	0	1	0	0	0	0
98446	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98466	1	0.12%	3	0	0	0	0	0	0	0	1	0	0	0	1
98499	1	0.12%	4	0	0	0	0	0	0	0	1	0	0	0	0
98513	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
98579	1	0.12%	0	0	0	0	0	0	0	0	0	0	0	0	0
98902	1	0.12%	1	0	0	0	0	0	0	0	0	0	0	0	0
98926	1	0.12%	5	0	0	0	0	0	0	0	0	0	0	0	0
99301	1	0.12%	0	0	0	0	0	0	0	0	2	0	0	0	2